

**Abstract**

Process for producing a mammal belonging to a non-human species rendered resistant by germinal transgenesis to infection by an alphaherpesvirus, for which the polypeptide nectin-1 or HveC constitutes a functional receptor. A transgene allowing expression of a chimeric protein composed on the one hand of the extracellular domain of nectin-1 or HveC or one of its parts and on the other hand the crystallisable fragment of an immunoglobulin is introduced by insertion or homologous recombination in the genome of the cells constituting the germinal line of the mammal, in an appropriate expression system.